

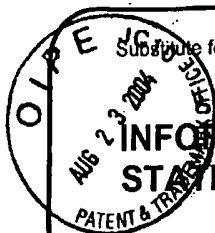
Please type a plus sign (+) inside this box →



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 1

Application Number	10/032,284
Filing Date	December 21, 2001
First Named Inventor	Ling Chen, et al.
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	AMAT/5192.02/CPI/COPPER/PJS
Submission Date	August 23, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-5,643,366	07/01/1997	Somekh, et al.	
	A2	US-5,542,452	08/06/1996	Carver, Jr., et al.	
	A3	US-6,534,133	03/18/2003	Kaloyeros, et al.	
	A4	US-4,732,110	03/22/1988	Parsons	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	KR 0040650	05/23/2003	Jasung (Assignee) (No English Abstract)		
	B2					
	B3					
	B4					

Examiner

KARLA MOORE

Date Considered

11/8/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). † See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ‡ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. § Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ¶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

296362_1

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number	10/032,284
Filing Date	December 21, 2001
First Named Inventor	Chen, et al.
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	AMAT/5192.02/CPI/COPPER/PJS
Submission Date	September 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>KM</i>	A1	US-6778762	08/17/2004	Shareef, et al.	
	A2	US-6630201	10/07/2003	Chiang, et al.	
	A3	US-6620723	09/16/2003	Byun, et al.	
	A4	US-6596602	07/22/2003	Iizuka, et al.	
	A5	US-6579372	06/17/2003	Park	
	A6	US-6569501	05/27/2003	Chiang, et al.	
	A7	US-20040046197	03/11/2004	Basceri, et al.	
	A8	US-20040033698	02/19/2004	Lee, et al.	
	A9	US-20040018747	01/29/2004	Lee, et al.	
	A10	US-20040018723	01/29/2004	Byun, et al.	
	A11	US-20040018304	01/29/2004	Chung, et al.	
	A12	US-20040014320	01/22/2004	Chen, et al.	
	A13	US-20040009307	01/15/2004	Koh, et al.	
	A14	US-20030124262 <i>20030124262</i>	07/03/2003	Chen, et al.	
	A15	US-20030224600	12/04/2003	Cao, et al.	
	A16	US-20030224578	12/04/2003	Chung, et al.	
	A17	US-20030221780	12/04/2003	Lei, et al.	
	A18	US-20030216981	11/20/2003	Tillman	
	A19	US-20030213987	11/20/2003	Basceri, et al.	
	A20	US-20030190804	10/09/2003	Glenn, et al.	
	A21	US-20030190423	10/09/2003	Yang, et al.	
	A22	US-20030172872	09/18/2003	Thakur	
	A23	US-20030153177	08/14/2003	Tepman, et al.	
	A24	US-20030124262	07/03/2003	Chen, et al.	
	A25	US-20030108674	06/12/2003	Chung, et al.	
	A26	US-20030082307	05/01/2003	Chung, et al.	
	A27	US-20030082301	05/01/2003	Chen, et al.	
	A28	US-20030072913	04/17/2003	Chou, et al.	

Examiner

KARLA MOORE

Date Considered

11/8/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449/APTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

of 2

Application Number	10/032,284
Filing Date	December 21, 2001
First Named Inventor	Chen, et al.
Group Art Unit	1763
Examiner Name	Karla A. Moore
Attorney Docket Number	AMAT/5192.02/CPI/COPPER/PJS
Submission Date	September 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
KW	A29	US-20030059538	03/27/2003	Chung, et al.	
	A30	US-20030057527	03/27/2003	Chung, et al.	
	A31	US-20030057526	03/27/2003	Chung, et al.	
	A32	US-20030049942	09/05/2002	Nguyen, et al. ✓	
	A33	US-20030049931	03/13/2003	Byun, et al.	
	A34	US-20030031807	02/13/2003	Elers, et al.	
	A35	US-20030013320	01/16/2003	Kim, et al.	
	A36	US-20020197402	12/26/2002	Chiang, et al.	
	A37	US-20020187256	12/12/2002	Elers, et al.	
	A38	US-20020182320	12/05/2002	Leskela, et al.	
	A39	US-20020177282	11/28/2002	Song	
	A40	US-20020164423	11/07/2002	Chiang, et al.	
	A41	US-20020164421	11/07/2002	Chiang, et al.	
	A42	US-20020127745	09/12/2002	Lu, et al.	
	A43	US-20020117399	08/29/2002	Chen, et al.	
	A44	US-20020086507	07/04/2002	Park, et al.	
	A45	US-20020060363	05/23/2002	Xi, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
KW	B1	WO 03/23835	03/20/2003	Lee, et al.		
	B2	JP 2001-111000	12/26/2002	Lee, et al.		
	B3	JP 07-300649	11/14/1995	Haruo, et al.		
	B4					
	B5					

Examiner

KARLA MOORE

Date Considered

11/8/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). ‡ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. § Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. † Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ‡ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.